

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100153
Location: BRATTLEBORO PD
Calibration Date: 10/23/2015
Certification Date: 10/23/2015
Installation Date: 10/23/2015
RPC Date: 10/01/2016
Supervisor Name: ADAM S BELVILLE

Diagnostic Results

VERSIONS

DMT: 2.00
PIC: 2.05
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 46.4°C
Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.67 V
Cooler Voltage = 1.64 V
Bias Voltage = 80 V
Chopper Freq = 549 Hz

PUMP INFO

Flow Rate = 5.841 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0925	0.0943
MIN(V)	0.0913	0.0931

FILTER INFO

Filter 1	0.094	Zero = true
Filter 2	0.326	Zero = true
Filter 3	0.717	Zero = true

CALIBRATION CHECK

Xq = 0.087 0.40%

Routine Performance Check Passed

Accuracy and Precision Check

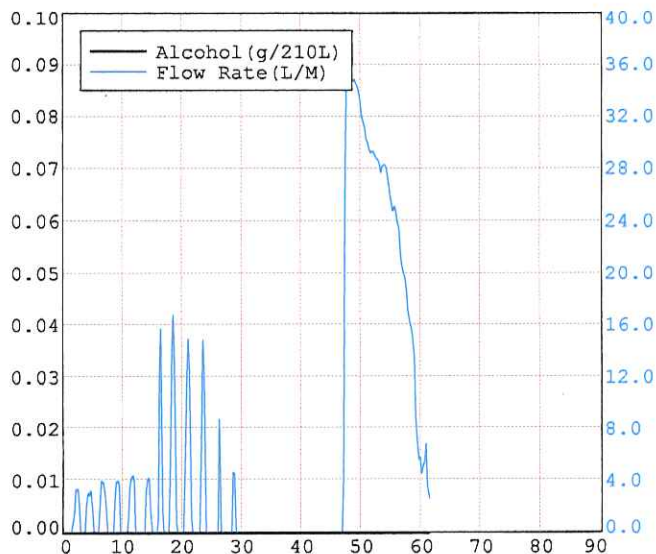
Concentration	= 0.100 g/210L
Lot #	= 16-15-100
Range	= 0.095 - 0.105
Average	= 0.099 g/210L
Std Dev	= 0.0000

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by

AS Belville

Date

10/01/2016

Reviewed by

AS

Date

10/3/16

AS
10/11/16

DMT Serial Number #100153

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RPC Date: 10/01/2016
Supervisor Name: ADAM S BELVILLE

Diagnostic Results

VERSIONS
DMT: 2.00
PIC: 2.05
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 49.1°C
Breath Tube = 48.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.67 V
Cooler Voltage = 1.64 V
Bias Voltage = 80 V
Chopper Freq = 549 Hz

PUMP INFO

Flow Rate = 5.812 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0837	0.0858
MIN(V)	0.0823	0.0839

FILTER INFO

Filter 1	0.084	Zero = true
Filter 2	0.317	Zero = true
Filter 3	0.707	Zero = true

CALIBRATION CHECK

Xq = 0.087 0.10%

Routine Performance Check Failed

Accuracy and Precision Check

Concentration	= 0.100 g/210L
Lot #	= 16-15-100
Range	= 0.095 - 0.105
Average	= 0.099 g/210L
Std Dev	= 0.0004

RF Detection Test

Passed

Sample Acceptance Test

Failed

Performed by

A handwritten signature in black ink, likely belonging to Adam S. Belville.

Date

10/01/2016

Reviewed by

Date

2 KO

Re: RPC Failed Attempt

Belville, Adam

Mon 10/3/2016 5:31 PM

To: Driscoll, Rob <Rob.Driscoll@vermont.gov>;

Hi Rob,

I didn't complete the "suck back" portion of the test properly the first time around, causing the failure. I pulled the air out of the tube too hard.

From: Driscoll, Rob

Sent: Monday, October 3, 2016 1:50:05 PM

To: Belville, Adam

Subject: RPC Failed Attempt

Adam,

Can you please provide me a brief description of the sample acceptance failure on your first October RPC attempt? The description is kept along with the RPC record.

Thanks,
Rob

Robert Driscoll
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Electronics Technician
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Cell: (802) 585-0123

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